



BE SURE. BUILD SURE.

Page 1/8

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 08.09.2024

Version number 20



Revision: 08.09.2024

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name** MC-RockMortar HS
- **Recommended use of the chemical and restrictions on use** No further relevant information available.
- **Application of the substance / the mixture** Gunned mortar
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** MC-Bauchemie Müller GmbH & Co. KG
Am Kruppwald 1-8
D-46238 Bottrop
Tel.: +49(0)2041-101-0
Fax.: +49(0)2041-101-400
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG
Hagackerstr. 10
CH-8953 Dietikon
Tel.: +44-7400510
Fax : +44-7400533
- **Informing department:** msds@mc-bauchemie.de

2 Hazard identification

- **Classification of the substance or mixture**
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
STOT SE 3 H335 May cause respiratory irritation.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

GHS05 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:** Portland cement
- **Hazard statements** H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
- **Precautionary statements** P261 Avoid breathing dust/fume/ gas/mist/vapours/ spray.

(Contd. on page 2)

MY



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 08.09.2024

Version number 20

Revision: 08.09.2024

Trade name MC-RockMortar HS

(Contd. of page 1)

P280 Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition and information of the ingredients of the hazardous chemical

- Chemical characterisation: Mixtures
- Description: Mixture consisting of the following components.

· Dangerous components:

CAS: 14808-60-7	Quartz (SiO ₂)	50-70%
CAS: 65997-15-1	Portland cement	≥20-≤30%
	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	

- Additional information For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- Description of first aid measures
- After inhalation Supply fresh air.
- After skin contact The product is not skin irritating.
- After eye contact Seek medical treatment.
- After swallowing Rinse out mouth and then drink plenty of water. Seek medical treatment.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 08.09.2024

Version number 20

Revision: 08.09.2024

Trade name MC-RockMortar HS

(Contd. of page 2)

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Collect mechanically.
- **Reference to other sections** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class** 11

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**

· **Components with critical values that require monitoring at the workplace:**

CAS: 14808-60-7 Quartz (SiO₂)

PEL (Malaysia)	Long-term value: 0.1* mg/m ³ *Pecahan ternafaskan
----------------	---

CAS: 65997-15-1 Portland cement

PEL (Malaysia)	Long-term value: 10 mg/m ³
----------------	---------------------------------------

· **DNELs**

CAS: 65997-15-1 Portland cement

Inhalative DNEL	1 mg/m ³ (ArL)
-----------------	---------------------------

· **Additional information:** The lists that were valid during the compilation were used as basis.

(Contd. on page 4)



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 08.09.2024

Version number 20

Revision: 08.09.2024

Trade name MC-RockMortar HS

(Contd. of page 3)

- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**

Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.

- **Breathing equipment:**

Wear respiratory protection in case of insufficient ventilation.
The selection of respirators (EN 14387) must be based on the known or anticipated exposure concentrations, the hazards of the product and the occupational exposure limits (section 8.1) of the respirator in question.

Particle filter PP1: Inert substance; P2, P3: Hazardous substances
Provide adequate ventilation. This can be achieved by local exhaust ventilation or general exhaust ventilation.

(EN 689 - Methods for determining inhalation exposure)
This applies especially at the mixing or stirring place.

If this is not sufficient to keep the concentration below the occupational exposure limit, provide respiratory protection.

- **Protection of hands:**

Protective gloves.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

- **Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

- **Eye protection:**

Not required.

- **Body protection:**

Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Powder

Colour: Grey

- **Smell:** Odourless

- **pH-value:** Not applicable.

(Contd. on page 5)



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 08.09.2024

Version number 20

Revision: 08.09.2024

Trade name MC-RockMortar HS

(Contd. of page 4)

· Change in condition	
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined

· Flash point:	Not applicable
-----------------------	----------------

· Auto-ignition temperature	Product is not selfigniting.
------------------------------------	------------------------------

· Explosive properties:	Product is not explosive.
--------------------------------	---------------------------

· Steam pressure:	Not applicable.
--------------------------	-----------------

· Density	Not determined
------------------	----------------

· Solubility in / Miscibility with Water:	Unsoluble
--	-----------

· Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.

· Other information	
----------------------------	--

No further relevant information available.

10 Stability and reactivity

· Reactivity	No further relevant information available.
---------------------	--

· Chemical stability	
-----------------------------	--

· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
--	---

· Possibility of hazardous reactions	No dangerous reactions known
---	------------------------------

· Conditions to avoid	No further relevant information available.
------------------------------	--

· Incompatible materials:	No further relevant information available.
----------------------------------	--

· Hazardous decomposition products:	No dangerous decomposition products known
--	---

11 Toxicological information

· Information on toxicological effects	
---	--

· Acute toxicity	
-------------------------	--

· LD/LC50 values that are relevant for classification:	
---	--

CAS: 65997-15-1 Portland cement

Dermal	LD50	2000 mg/kg (rabbit)
--------	------	---------------------

Inhalative	LC50/4 h	5 mg/l (rat)
------------	----------	--------------

(Contd. on page 6)

MY



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 08.09.2024

Version number 20

Revision: 08.09.2024

Trade name MC-RockMortar HS

(Contd. of page 5)

- **Primary irritant effect:**
- **Skin corrosion or irritation** Irritant for skin and mucous membranes.
- **Serious eye damage or eye irritation** Strong irritant with the danger of severe eye injury.
- **Respiratory / skin sensitization** No sensitizing effect known.
- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal information

- **Waste treatment methods**
- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

14 Transportation information

- **UN-Number**
- **ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void

(Contd. on page 7)



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 08.09.2024

Version number 20

Revision: 08.09.2024

Trade name MC-RockMortar HS

(Contd. of page 6)

· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **EHS reference list**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous**

substances - ANNEX I

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing data specification sheet:**

Environment protection department.

· **Contact:**

· **Abbreviations and acronyms:** ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion or irritation – Category 2

(Contd. on page 8)



BE SURE. BUILD SURE.

Page 8/8

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 08.09.2024

Version number 20

Revision: 08.09.2024

Trade name MC-RockMortar HS

(Contd. of page 7)

Eye Dam. 1: Serious eye damage or eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· * **Data compared to the
previous version altered.**

MY